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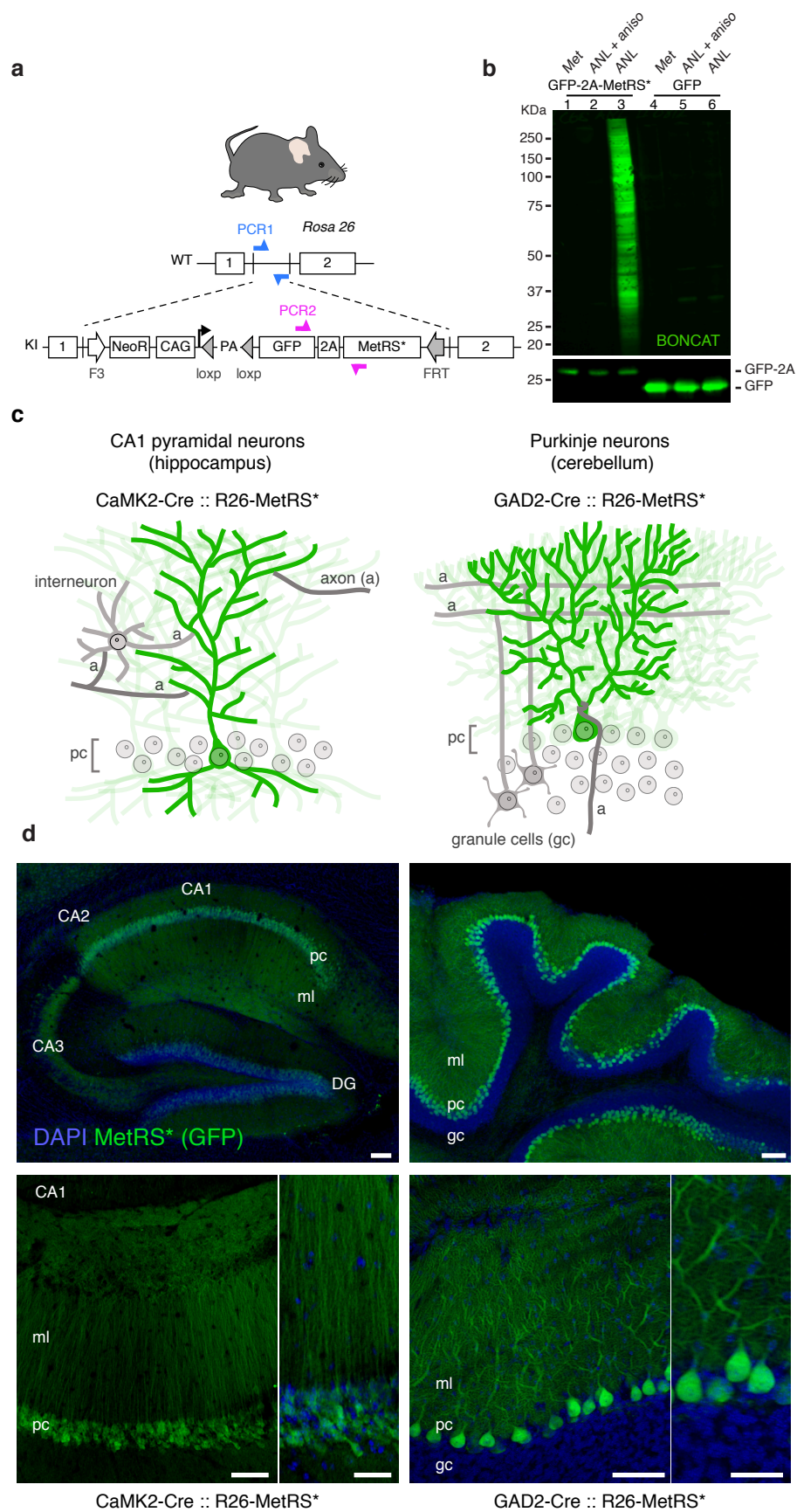


Figure S2

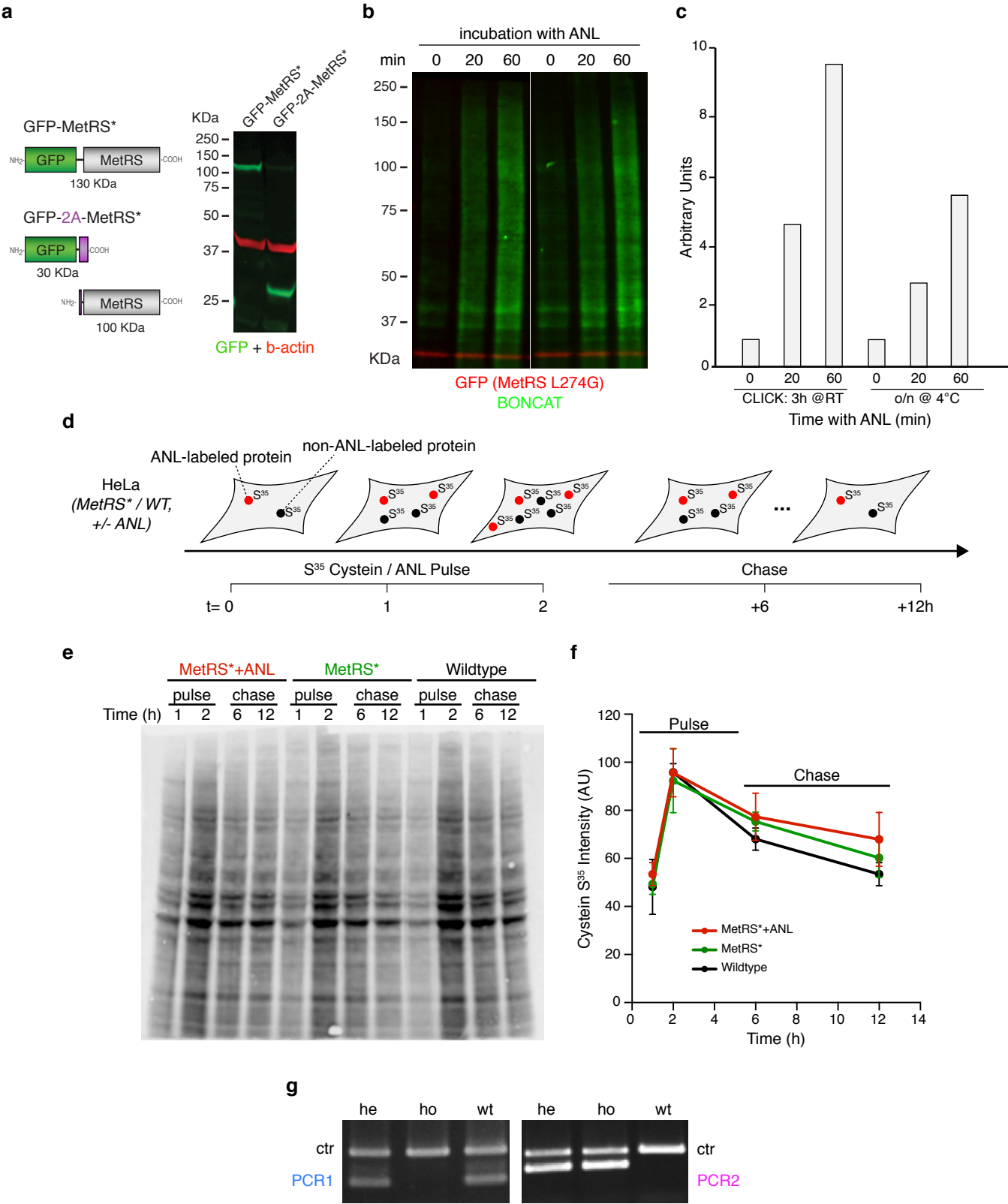


Figure S3

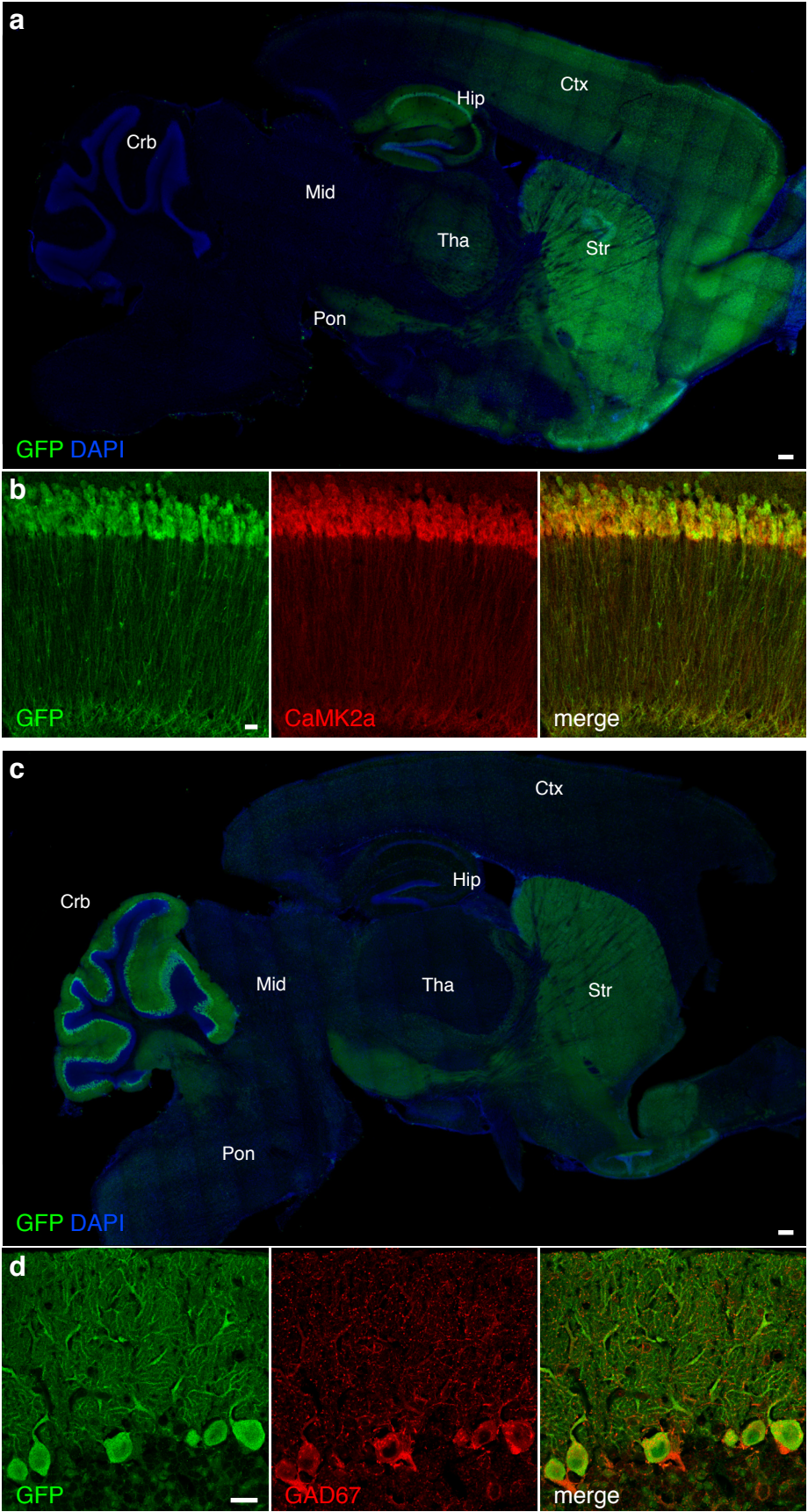


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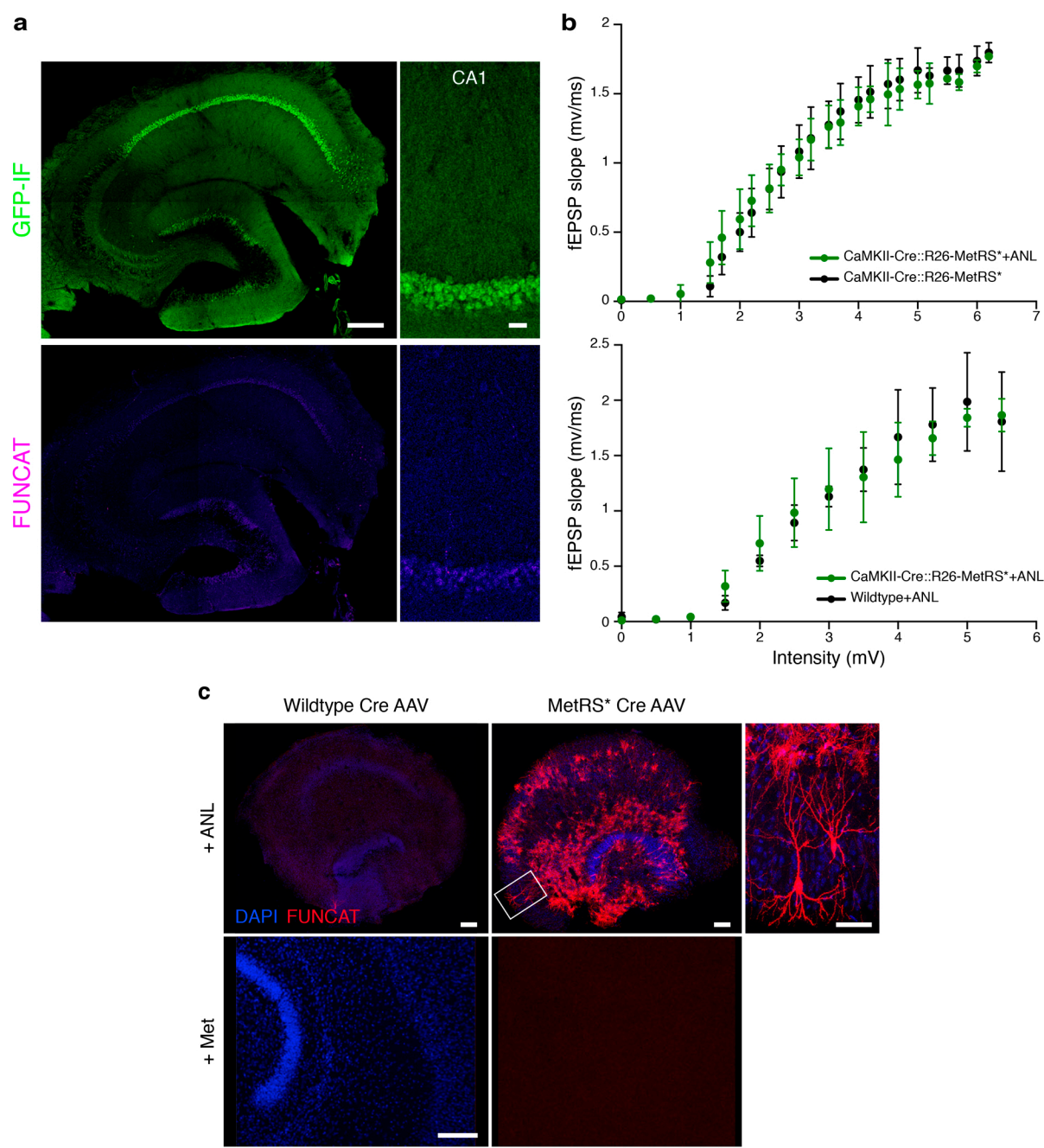
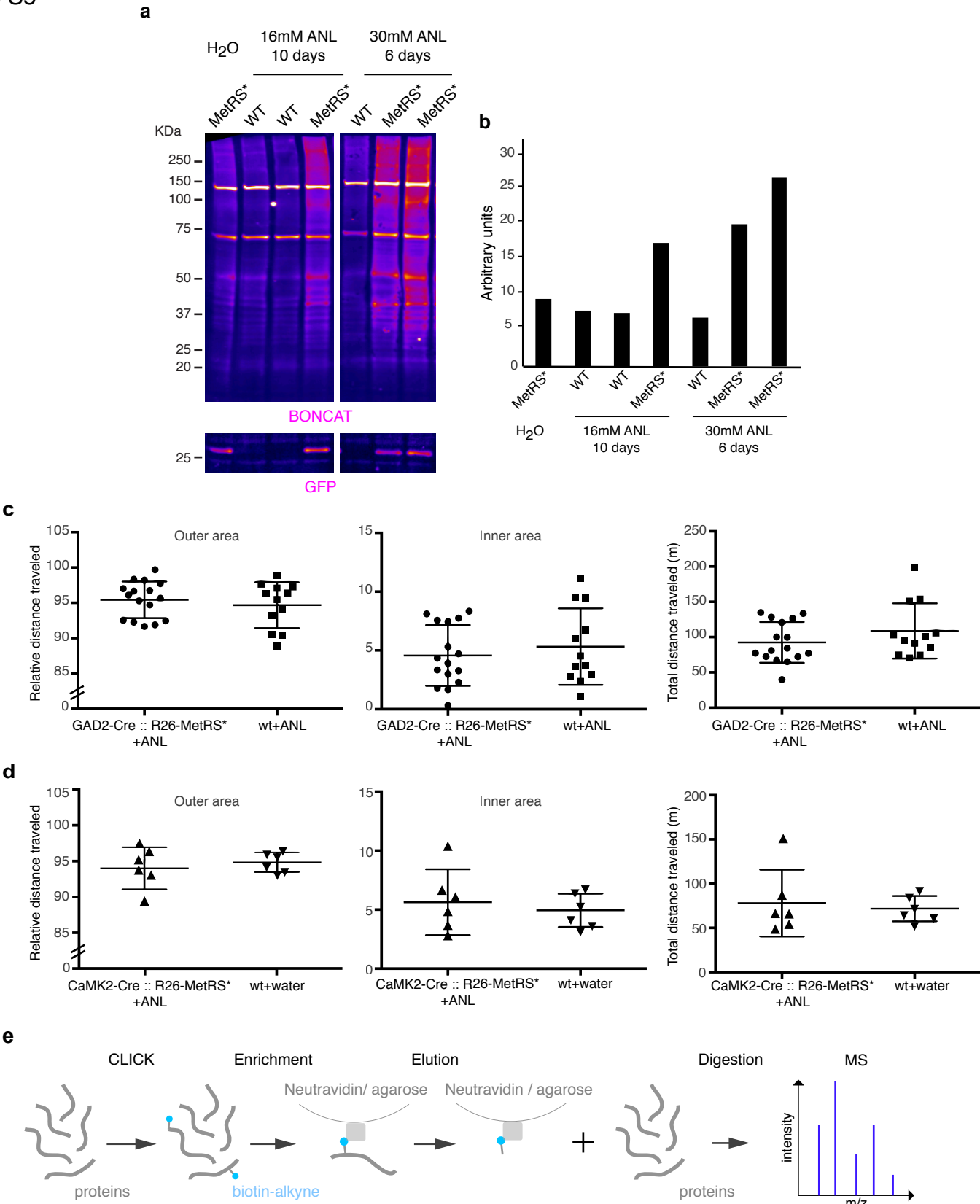


Figure S5



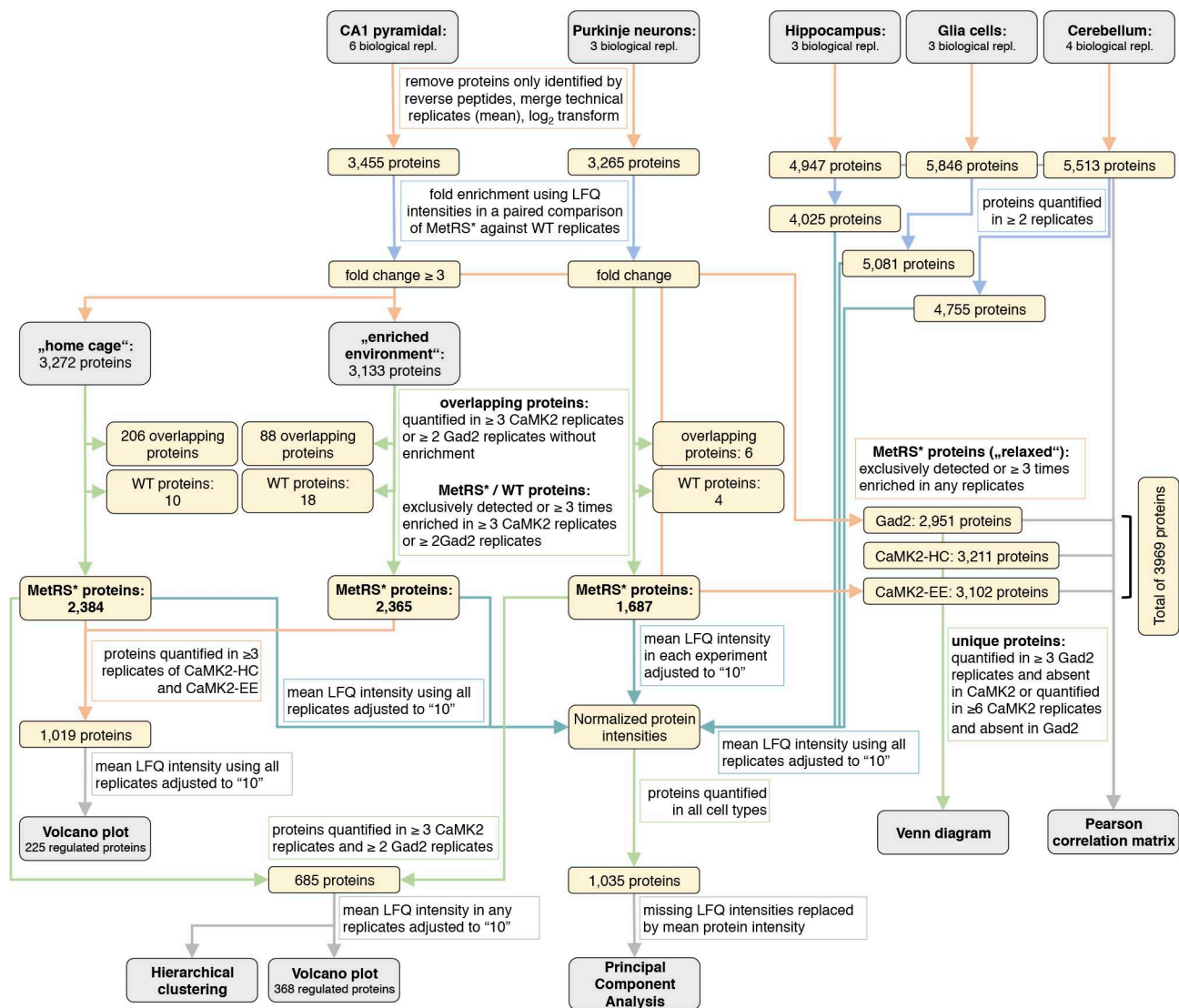


Figure S7

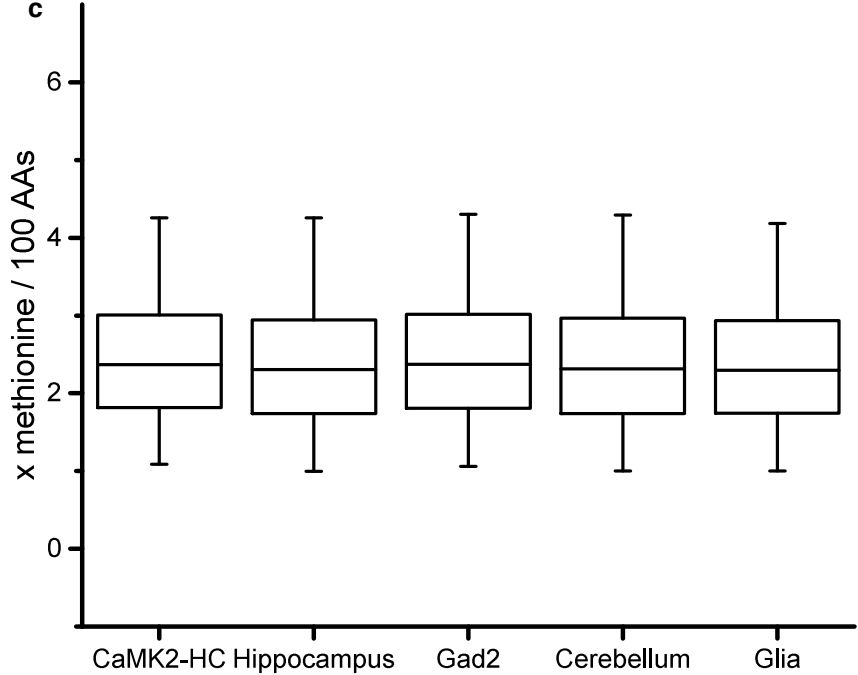
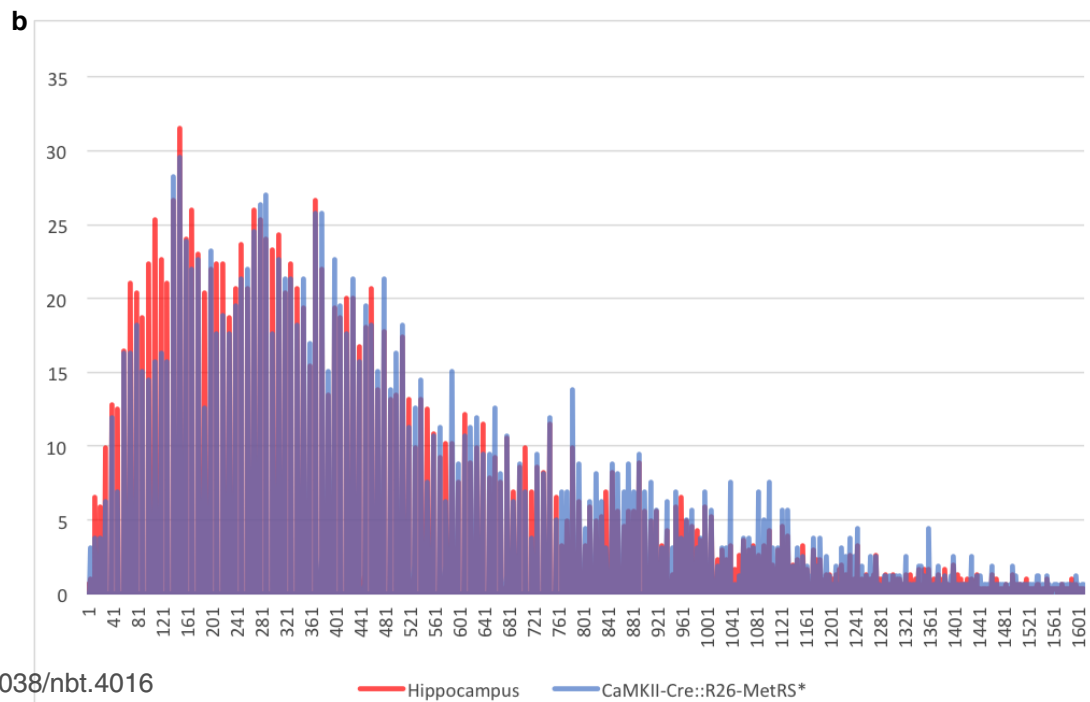
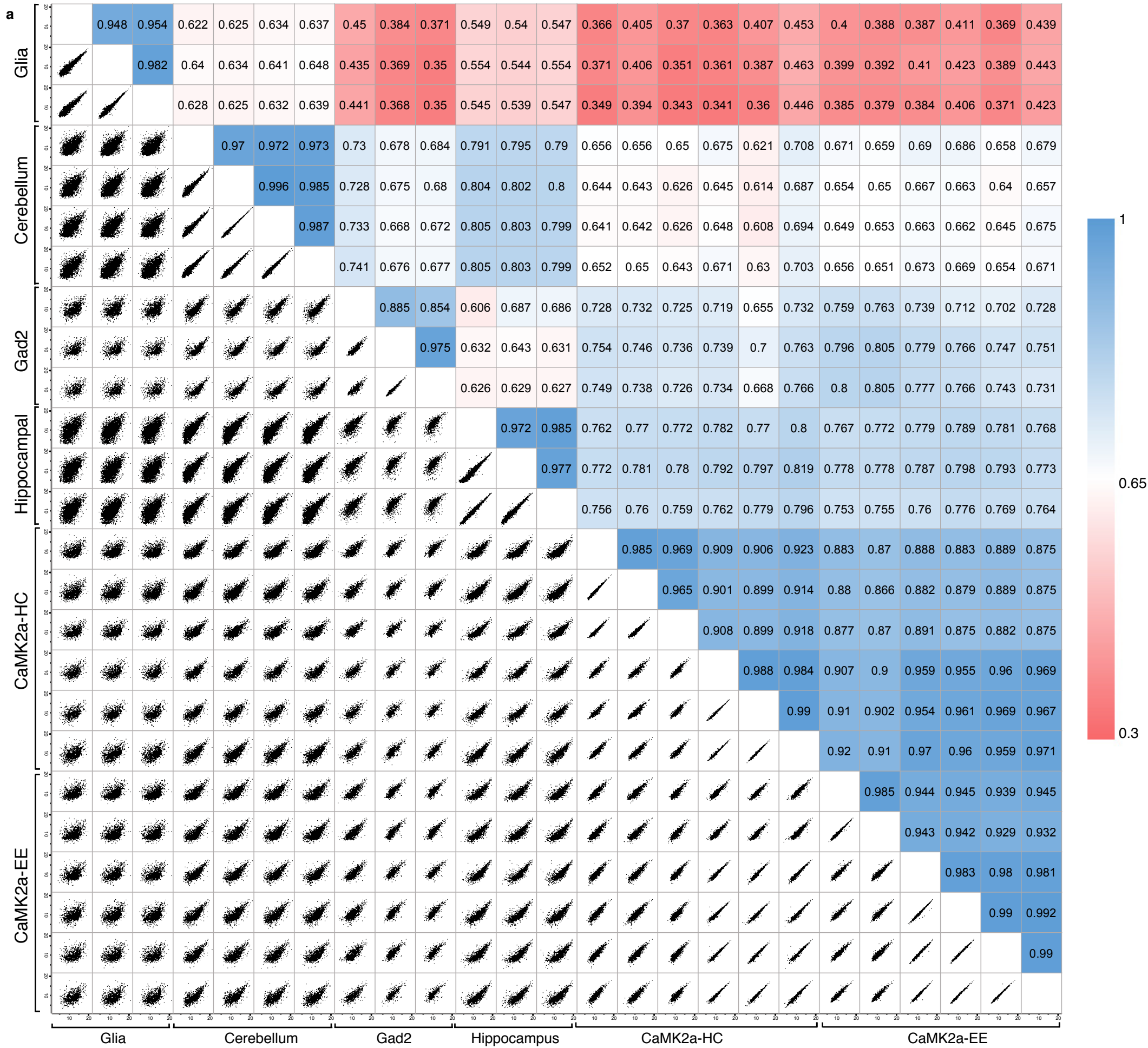


Figure S8

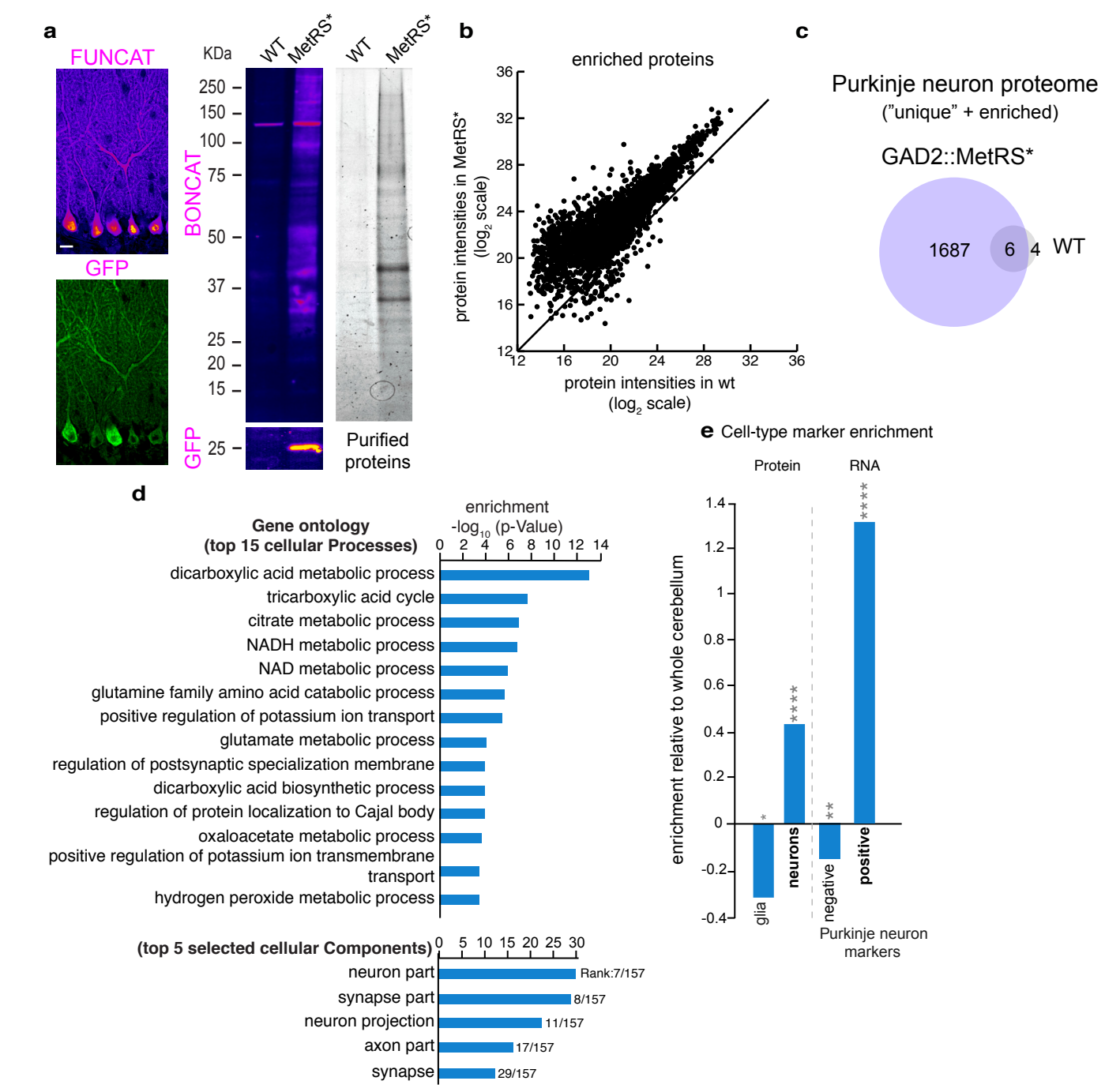
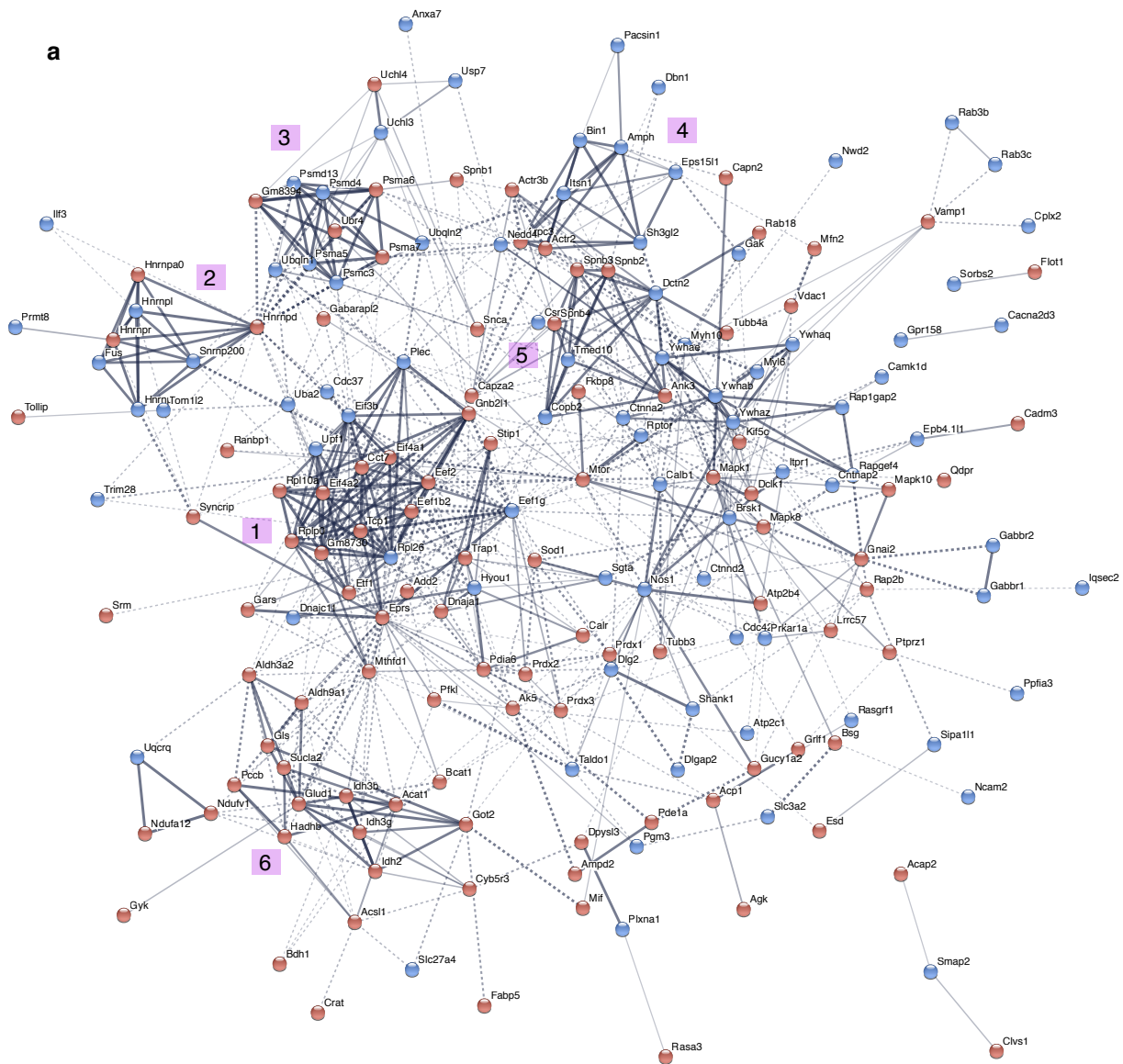


Figure S9



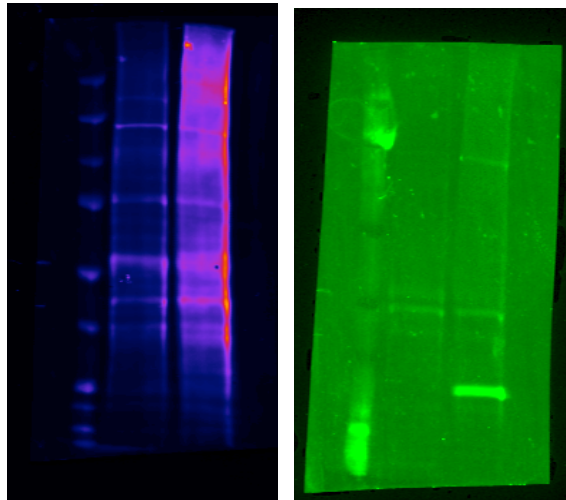
b

Disease-related Regulated proteins

Parkinson's disease	Alzheimer's disease	Huntington's disease	FTD	Schizophrenia
Snca	Mapk1	Calb1	Fus	Cplx2
Vps13C	Acat1	Cplx2	Ubqln2	Nos1
Sod1	Ubqln1	Itpr1	Sod1	Cntnap2
Fus	Nos1	Sod1	Calb1	Gabbr1
Atcay	Dbn1	Snca	Mapk1	Ank3
Ubqln2	Tmed10		Gbr1/2	Calb1
Ndufv1	Sod1		Tub3	
Taldo 1	Itpr1		At1	
Mapk10	Ncam2			
	Mfn2			

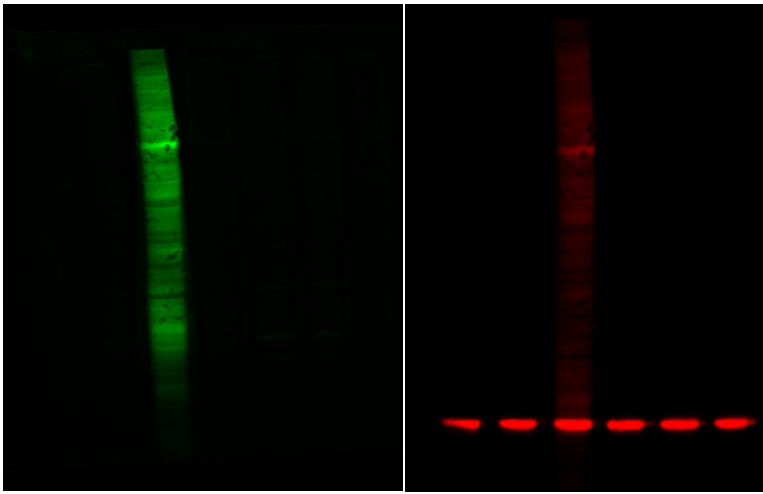
Depression	Autism	Epilepsy	Multiple sclerosis	Bipolar disorder
Prkar1a	Cntnap2	Gabbr1	Sod1	Cntnap2
Mapk1	Ctnd2	Cntnap2	Fus	Sod1
Sod1	Slc25A12	mTor	Ubqln2	Ank3
Snca	Shank1	Dlgap2	mTor	Nos1
Vsp13c	lqsec2	ldh2	Taldo1	Calr
Mif	Rapgef4	Mapk10	Prkar1a	mTor
	Slc27a4		Nos1	ATP2c1
	Pccb		Mapk1	Snca
	Mif		Snca	Mfn2
			Mfn2	Fus
			ldh2	Tubb3
			Ndufv1	At1
			Calb1	PccB
			Acp1	Hadhb
				Itpr1
				Qdpr
				Gars
				Plec
				Calb1

Figure 2



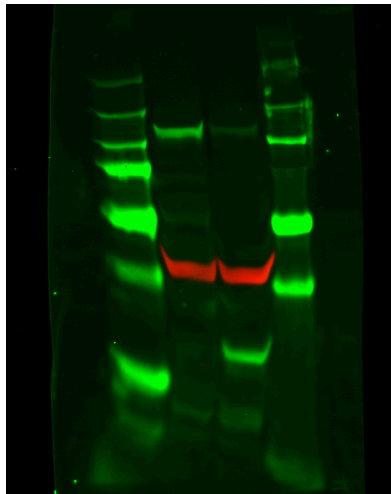
Anti biotin Anti GFP

Supplementary Fig.1



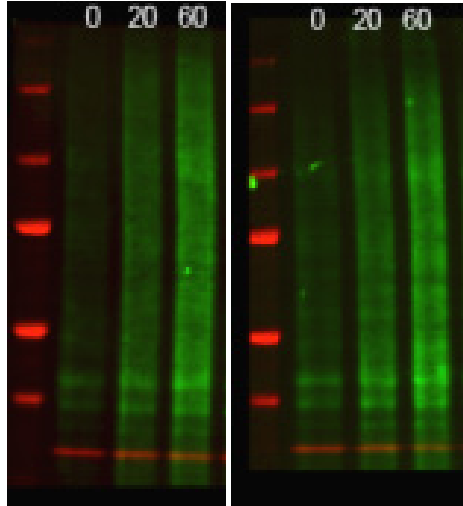
Anti biotin Anti actin

Supplementary Fig.2 a



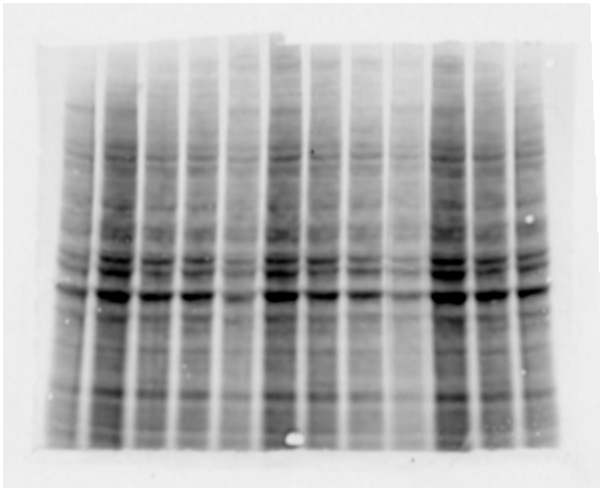
Anti GFP (green)
Anti Actin (red)

Supplementary Fig.2 b

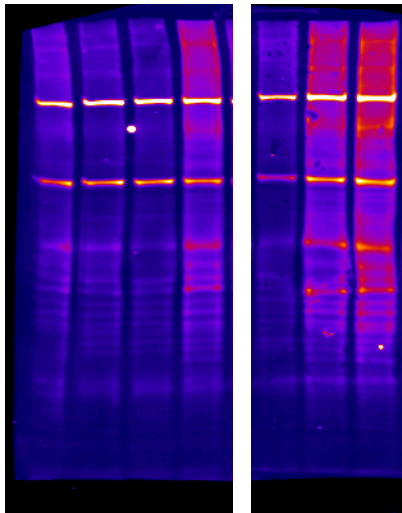


Anti biotin (green)
Anti GFP (red)

Supplementary Fig.2 e

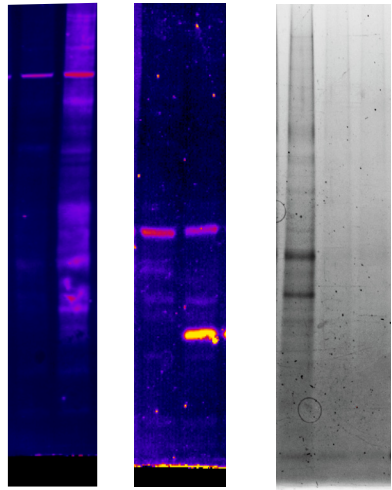


Supplementary Fig.5



Anti biotin Anti GFP

Supplementary Fig.7



Anti biotin Anti GFP Sypro-Ruby